# 16.9 Kda Class I Heat Shock Protein 2 (Hsp16.9b) (HSP16.9B) Oryza Sativa Subsp. Japonica Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | 16.9 kDa class I heat shock protein 2 (HSP16.9B), Recombinant Protein |
| **Full Product Name** | Recombinant Oryza sativa subsp. japonica 16.9 kDa class I heat shock protein 2 (HSP16.9B) |
| **Product Gene Name** | HSP16.9B recombinant protein |
| **Product Synonym Gene Name** | HSP16.9B |
| **Sequence** | MSLVRRSNVF DPFSLDLWDP FDSVFRSVVP ATSDNDTAAF ANARIDWKET PESHVFKADL PGVKKEEVKV EVEEGNVLVI SGQRSKEKED KNDKWHRVER SSGQFMRRFR LPENAKVDQV KAGMENGVLT VTVPKAEVKK PEVKAIEISG |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 16,957 Da |
| **Sequence Positions** | 1-150, Full length protein |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **3D Structure** | ModBase 3D Structure for Q943E6 |
| **Species** | Oryza sativa subsp. japonica (Rice) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for HSP16.9B recombinant protein** | MBS1349228 is a recombinant protein targeting HSP16.9B. Also known as Recombinant Oryza sativa subsp. japonica 16.9 kDa class I heat shock protein 2 (HSP16.9B). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of HSP16.9B recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HSP16.9B. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 1002227247 |
| **NCBI GeneID** | 4325698 |
| **NCBI Accession #** | XP_015630930.1 |
| **UniProt Primary Accession #** | Q943E6 |

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| **UniProt Secondary Accession #** | Q0JQV9 |
| **UniProt Related Accession #** | Q943E6 |
| **GenBank Nucleotide #** | XM_015775444.1 |
| **NCBI Official Full Name** | 16.9 kDa class I heat shock protein 2 |
| **NCBI Official Symbol** | LOC4325698 |
| **NCBI Official Synonym Symbols** | HSP16.9B; OsHsp16.9B; P0443D08.6 |
| **UniProt Protein Name** | 16.9 kDa class I heat shock protein 2 |
| **UniProt Synonym Protein Names** | 16.9 kDa heat shock protein 2; OsHsp16.9B |
| **Protein Family** | 16.9 kDa class I heat shock protein |
| **UniProt Gene Name** | HSP16.9B |
| **UniProt Synonym Gene Names** | OsHsp16.9B |
| **NCBI Protein Information** | 16.9 kDa class I heat shock protein 2 |
| **Research Articles on HSP16.9B** | **1.** heat induction mechanisms of OsHSP16.9C and AtHSP18.2 are similar in rice and Arabidopsis |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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